

**RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/058,546**DATE: 05/20/1999  
TIME: 14:37:10**INPUT SET: S31933.raw**

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

1                   **SEQUENCE LISTING**  
23       (1)    General Information:  
4**ENTERED**5       (i) APPLICANT: Gunzburg, Walter H.  
6                   Saller, Robert M.  
7                   Salmons, Brian8  
9       (ii) TITLE OF INVENTION: RETROVIRAL VECTORS CARRYING SENESCENT  
10                  CELL DERIVED INHIBITORS 1 (SDI-1) OR ANTISENSE SDI-1  
11                  NUCLEOTIDE SEQUENCES12  
13      (iii) NUMBER OF SEQUENCES: 714  
15      (iv) CORRESPONDENCE ADDRESS:16                  (A) ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.  
17                  (B) STREET: TWO MILITIA DRIVE  
18                  (C) CITY: LEXINGTON  
19                  (D) STATE: MASSACHUSETTS  
20                  (E) COUNTRY: USA  
21                  (F) ZIP: 0217322  
23      (v) COMPUTER READABLE FORM:24                  (A) MEDIUM TYPE: Floppy disk  
25                  (B) COMPUTER: IBM PC compatible  
26                  (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
27                  (D) SOFTWARE: PatentIn Release #1.0, Version #1.3028  
29      (vi) CURRENT APPLICATION DATA:30                  (A) APPLICATION NUMBER: US 09/058,546  
31                  (B) FILING DATE: 10-APR-1998  
32                  (C) CLASSIFICATION:33  
34      (vii) PRIOR APPLICATION DATA:35                  (A) APPLICATION NUMBER: PCT/EP96/04447  
36                  (B) FILING DATE: 11-OCT-199637  
38      (viii) PRIOR APPLICATION DATA:39                  (A) APPLICATION NUMBER: DK 1157/95  
40                  (B) FILING DATE: 13-OCT-199541  
42      (ix) ATTORNEY/AGENT INFORMATION:43                  (A) NAME: Brook, David E.  
44                  (B) REGISTRATION NUMBER: 22,592  
45                  (C) REFERENCE/DOCKET NUMBER: GSF98-02A

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47       (ix) TELECOMMUNICATION INFORMATION:  
48           (A) TELEPHONE: (781) 861-6240  
49           (B) TELEFAX: (781) 861-9540  
50  
51  
52       (2) INFORMATION FOR SEQ ID NO:1:  
53  
54           (i) SEQUENCE CHARACTERISTICS:  
55              (A) LENGTH: 41 base pairs  
56              (B) TYPE: nucleic acid  
57              (C) STRANDEDNESS: single  
58              (D) TOPOLOGY: linear  
59  
60           (ii) MOLECULE TYPE: other nucleic acid  
61              (A) DESCRIPTION: /desc = "DNA"  
62  
63  
64  
65  
66           (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
67  
68 ATGAAAGACC CCGCGGACGC GTGCCGCACT CCTCCGATTG A                  41  
69  
70       (2) INFORMATION FOR SEQ ID NO:2:  
71  
72           (i) SEQUENCE CHARACTERISTICS:  
73              (A) LENGTH: 20 base pairs  
74              (B) TYPE: nucleic acid  
75              (C) STRANDEDNESS: single  
76              (D) TOPOLOGY: linear  
77  
78           (ii) MOLECULE TYPE: other nucleic acid  
79              (A) DESCRIPTION: /desc = "DNA"  
80  
81  
82  
83  
84           (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
85  
86 TCAATCACTC AGAGGGAGACC    20  
87  
88       (2) INFORMATION FOR SEQ ID NO:3:  
89  
90           (i) SEQUENCE CHARACTERISTICS:  
91              (A) LENGTH: 41 base pairs  
92              (B) TYPE: nucleic acid  
93              (C) STRANDEDNESS: single  
94              (D) TOPOLOGY: linear  
95  
96           (ii) MOLECULE TYPE: other nucleic acid  
97              (A) DESCRIPTION: /desc = "DNA"  
98  
99

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100  
101  
102 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
103  
104 ACATCGATAG AAAAAGGGGG GAATGAAAGA CCCCCGCGGAC G 41  
105  
106 (2) INFORMATION FOR SEQ ID NO:4:  
107  
108 (i) SEQUENCE CHARACTERISTICS:  
109 (A) LENGTH: 26 base pairs  
110 (B) TYPE: nucleic acid  
111 (C) STRANDEDNESS: single  
112 (D) TOPOLOGY: linear  
113  
114 (ii) MOLECULE TYPE: other nucleic acid  
115 (A) DESCRIPTION: /desc = "DNA"  
116  
117  
118  
119  
120 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
121  
122 ATACCGCGGA AAAAGGGGGA AATGCC 26  
123  
124 (2) INFORMATION FOR SEQ ID NO:5:  
125  
126 (i) SEQUENCE CHARACTERISTICS:  
127 (A) LENGTH: 33 base pairs  
128 (B) TYPE: nucleic acid  
129 (C) STRANDEDNESS: single  
130 (D) TOPOLOGY: linear  
131  
132 (ii) MOLECULE TYPE: other nucleic acid  
133 (A) DESCRIPTION: /desc = "DNA"  
134  
135  
136  
137  
138 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
139  
140 GC GGCGACGC GTAAGTTAC TCAAAAAATC AGC 33  
141  
142 (2) INFORMATION FOR SEQ ID NO:6:  
143  
144 (i) SEQUENCE CHARACTERISTICS:  
145 (A) LENGTH: 28 base pairs  
146 (B) TYPE: nucleic acid  
147 (C) STRANDEDNESS: single  
148 (D) TOPOLOGY: linear  
149  
150 (ii) MOLECULE TYPE: other nucleic acid  
151 (A) DESCRIPTION: /desc = "DNA"  
152

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153  
154  
155  
156 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
157  
158 TATGGACGTC TCCCTGCCGA AGTCAGTT 28  
159  
160 (2) INFORMATION FOR SEQ ID NO:7:  
161  
162 (i) SEQUENCE CHARACTERISTICS:  
163 (A) LENGTH: 28 base pairs  
164 (B) TYPE: nucleic acid  
165 (C) STRANDEDNESS: single  
166 (D) TOPOLOGY: linear  
167  
168 (ii) MOLECULE TYPE: other nucleic acid  
169 (A) DESCRIPTION: /desc = "DNA"  
170  
171  
172  
173  
174 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
175  
176 TATGGGATCC GGCAGAAGAT GTAGAGCG 28  
177

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**SEQUENCE VERIFICATION REPORT**  
PATENT APPLICATION **US/09/058,546**

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Original Text